Army Operational Electronic Warfare Course

USA Field Artillery Center and School

background

Background:

- RFFs received from deployed HQ requesting soldiers trained in the integration and synchronization of EW assets. They need to act as BCT and higher SMEs on the CREWS family of systems.
- These soldiers are deemed critical in the IED defeat efforts.
- Currently the USN is filling this capability gap. There is a skill mismatch between the USN training and the USA requirements. The USA determined that the best COA would be to begin training USA personnel to fill this capability

Mission:

- Train Soldiers to perform duties as Electronic Warfare officers for units deploying ISO GWOT.
- CG, CAC directed USAFACFS to design, develop, and execute a course of instruction to accomplish this mission.
- All USN personnel need to be back filled NLT Mar 07.
- Each Iteration of the class will consist of Approximately 30 Army and 10 Joint EWOs
- Graduates will be tracked with a PDSI

Purpose: To Update the status of the Army Operational Electronic Warfare Course (OEWC)

Agenda

1. Plan of Action/Milestones
2. Critical Task List
3. TLOs
4. Current Status-Contract
5. Current Status-Classroom
6. Issues/Outstanding Requirements

Plan of Action

USAFACFS trains Joint Force personnel at Ft. Sill to perform duties as Electronic Warfare Officers for units deploying ISO GWOT RFF 611/627. Further develops course to become enduring EWO course.

Critical Tasks-Module Overview

Electronic Warfare Officer: BCT to DIV Level

The Electronic Warfare Officer (EWO) plans, integrates, synchronizes, executes electronic warfare into the commanders scheme of maneuver. The EWO advises the commander on all Army, Joint, Interagency, Intergovernmental, and Multinational EW capabilities; requests and integrates them into the unit's operations. The EWO de-conflicts EW operations with the units operational area IOT reduce EW fratricide.

Module #	Module Title	Course Hours
Module # 1	Current Electronic Warfare Threat	20
~~Module # 2~~	~~Electronic Warfare Fundamentals~~	~~40~~
Module # 3 Module # 4	Electronic Warfare Systems Direct the establishment of the brigade combat team, Division, and Corp Electronic Warfare Cells	60 8
Module # 5	Plan Electronic Warfare Operations for a Brigade Combat Team, Division, and Corps	40
Module # 6	Integrate Electronic Warfare Operations for a Brigade Combat Team, Division, & Corps	40
Module # 7	Monitor the execution of Electronic Warfare Operations for a Brigade Combat Team, Division, & Corps	40
Module # 8	Assess the Effectiveness of Electronic Warfare Operations for a Brigade Combat Team, Division, and Corps	32
Module # 9	Culminating Exercise	40

Terminal Learning Objectives

9 Modules

18 Lessons

320 Hours/8 weeks

Module	Lesson #	TLO	Hours
Module 1	1	Participate in Electronic Warfare Introduction/Overview	4
	2	Assess OIF and OEF Electronic Warfare Threats	8
	3	Determine World Wide Electronic Warfare Threats	8
Module 2	4	Identify the principles of Electronic Warfare	8
	5	Define the characteristics of the electromagnetic environment as it relates to EW	8
	6	Analyze the basic operation of electronic equipment used in electronic warfare	8
Module 3	7	Identify components, characteristics, capabilities and limitations of radar systems	8
	8	Define the principles of communications	8
	9	Identify characteristics, capabilities and limitations of electronic attack systems	20
Module 4- Module 5- Module 6-	10	Identify characteristics, capabilities and limitations of electronic protect systems	20
Module 7- Module 8-	11	Identify characteristics, capabilities and limitations of spectrum management EW sys	10
Module 9-	12	Identify the characteristics, capabilities and limitations of electronic support systems	10
	13	Direct the establishment of the BCT, Division, and Corps EW Cells	8
	14	Plan Electronic Warfare Operations for a BCT, Division, and Corps	40
	15	Integrate Electronic Warfare Operations for a BCT, Division, and Corps	40
	16	Monitor the Execution of Electronic Warfare Operations for a BCT, DIV, and Corps	40